Manitoba

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Health and Healthy Living
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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of September 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of September 2007.

Communicable Diseases

In total, there were **467** new infections occurring across 29 communicable diseases** (excluding sexually transmitted infections and HIV) in September 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of the following diseases:

- Cryptospordiosis – 14 cases reported, 0 – 11 cases expected
- MRSA – 220 cases reported, 0 – 212 cases expected
- *Trypanosoma cruzi* – 1 case observed, 0 cases expected

The expected number of cases and accompanying range is based on the number of cases during August, September and October, 2002-2006.

Together MRSA and *Clostridium difficile* accounted for 63.0% of all non-STI/HIV related communicable diseases reported to Manitoba Health. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups. There were reported 35 cases of West Nile virus to Manitoba Health during September leading to a total thus far for 2007 of 565 WNV positive reports.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **632** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in September:

- 471 cases of chlamydia (Ct)
- 89 cases of gonorrhoea (GC)
- 69 GC-Ct co-infections and
- 3 cases of syphilis

Forty-six per cent of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (54%) were reported for individuals living in the Winnipeg Health Region and an additional 30% were from the Burntwood Health Region.

In September, 33 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Seventy per cent of HCV cases, this month, were reported from the Winnipeg Health Region. About 54% of all HCV positive cases were in the 30-49 year age groups, while 18% of total HCV cases were reported in the age group of

50-59 years. Five Manitobans, in age cohorts that ranged from 15 to 59, tested positive for HIV during September 2007.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)
Leishmaniasis – unspecified (ICD9: 085.9)
Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA)
Penicillin-resistant *Streptococcus pneumoniae* (ICD9: 481.9)
Schistosomiasis (ICD9: 120)
Streptococcus pneumoniae – other site (ICD9: 041.2)
Strongyloides (ICD9: 127.2)
Vancomycin resistant enterococci (VRE)
Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at 315 - 258 Portage Avenue

Please feel free to contact me should you have any questions about this report.
Thank you.

Sincerely,

Myrna Dyck BN, MSc
Epidemiologist, Communicable Diseases
Manitoba Health and Healthy Living Surveillance System

SUMMARY OF COMMUNICABLE DISEASE FOR September 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	3	2	2	0-5	29	31
022	ANTHRAX				***	1	
127.0	ASCARIASIS			0	0-0		1
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		1
320.1	BAC. MENINGITIS - PNEUM			0	0-1	2	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		1		***		18
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		1
005.2	C. PERFRINGENS	1		1	0-6	5	5
008.43	CAMPYLOBACTER	30	15	26	16-36	177	167
558.2	CLOSTRIDIUM DIFFICILE	92	74		***	876	768
046.1	CREUTZFELD-JACOB DISEASE	1			***	2	
007.8	CRYPTOSPORIDIOSIS	8	14	4	0-11	26	55
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP		1	0	0-2	4	12
008.0	E. COLI-VEROTOXIGENIC	14	4	12	0-35	131	37
054.3	ENCEPHALITIS			0	0-0	1	
005.9	FOOD POISONING OTHER			0	0-2	1	
007.1	GIARDIA LAMBLIA	10	7	15	5-25	103	76
041.5	H.I.B.-NON MTGS	1		0	0-1	1	
041.59	HAEM. INFLUENZAE (non-B)				***		7
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A			1	0-3	11	7
070.3	HEPATITIS B		1	1	0-3	6	4
070.51	HEPATITIS C	33	33	36	24-48	235	252
054.8	HERPES-W-UNSPEC COMPL			0	0-0	5	1
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	2	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	2	
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	4	
088.81	LYME DISEASE			0	0-1	2	4
084	MALARIA	3	2	1	0-3	16	11
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	188	220	97	0-212	1207	1549
072.9	MUMPS		2	0	0-2	1	8
036.89	N.MENINGITIDIS OTHER			0	0-1	2	4
728.86	NECROTIZING FASCIITIS	1		1	0-3	15	9
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS		1	0	0-0		1
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1		5	0-13	8	14
038.2	PNEUM. SEPTICEMIA	6	9	7	0-16	90	64
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA			0	0-0		2
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3		2
003.0	SALMONELLA	13	20	16	9-23	120	173
120	SCHISTOSOMIASIS		1	0	0-1	1	1
004	SHIGELLOSIS	1	2	2	0-5	10	12
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		1
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	1	3
127.2	STRONGYLOIDES	1		0	0-1	5	15
037	TETANUS			0	0-1	1	
130.9	TOXOPLASMOSIS			1	0-5	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI		1	0	0-0		2
013	TUBERCULOSIS - NON-RESP.		4	2	0-8	18	14
011	TUBERCULOSIS - RESP.	4	8	6	0-13	59	60
010	TUBERCULOSIS-PRIM.		1	1	0-3	13	3
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI		6		***	27	39
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	1	1	1	0-5	10	6
047.1	VIRAL MENINGITIS-ECHO	1	1	4	0-11	8	2
047.8	VIRAL MENINGITIS-ENTERO		1		***	4	1
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***	1	8
198	WNV NEUROLOGICAL SYNDROME	1	1		***	17	63
197	WNV NON-NEUROLOGICAL SYND	2	25		***	33	453
066.3	WNV UNCLASSIFIED		9		***		41
008.44	YERSINIA ENTEROCOLITICA	2		1	0-3	13	7
		419	**467**			**3312**	**4096**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR September 2007

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS				1														1										2
116.0	BLASTOMYCOSIS								1																				1
008.43	CAMPYLOBACTER				1	1		1	1	1	1	1			2		1		1		2	1	1						15
558.2	CLOSTRIDIUM DIFFICILE		1									3				1	2	4	2	5	4	8	7	9	6	9	13		74
007.8	CRYPTOSPORIDIOSIS			2	1		1	2	2				1	2					1		1			1					14
123.4	DIPHYLLOBOTHRIUM															1													1
008.0	E. COLI 0157						1													1		2							4
323.9	ENCEPHALITIS OTHER																										1		1
007.1	GIARDIA LAMBLIA				1								3						1	1					1				7
070.3	HEPATITIS B																		1										1
070.51	HEPATITIS C									1			1		3	2	6	5	5	2	4		3	1					33
084	MALARIA																1		1										2
B95.6	MRSA	7	3	4	9	17	9	8	6	6	9	10	7	7	7	12	15	10	11	6	6	8	10	7	9	11	6		220
072.9	MUMPS			1														1											2
003.0	SALMONELLA			1		2	1			1	1			1		1	4		2		3		1		1		1		20
120	SCHISTOSOMIASIS								1																				1
004	SHIGELLOSIS															1	1												2
038.2	STREP.PNEUMOCOCCAL SEPTIC			1												1			3		1		2		1				9
086	TRYPANOSOMIASIS																					1							1
013	TUBERCULOSIS - NON-RESP.								1					1									1				1		4
011	TUBERCULOSIS - RESP.									1			1				2	1	1	1						1			8
010	TUBERCULOSIS-PRIM.					1																							1
B96.8	VANCOMYCIN RES. ENTER.																					1	3		1	1			6
047.0	VIRAL MENINGITIS-COXSACK	1																											1
047.1	VIRAL MENINGITIS-ECHO															1													1
047.8	VIRAL MENINGITIS-ENTERO		1																										1

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR September 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	1					1																2
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	7					4		1				2		1								15
558.2	CLOSTRIDIUM DIFFICILE	49	3		6				5		3		2		2		1		3				74
007.8	CRYPTOSPORIDIOSIS	5	2				1		2		4												14
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E. COLI 0157				2		1												1				4
323.9	ENCEPHALITIS OTHER	1																					1
007.1	GIARDIA LAMBLIA	3									3		1										7
070.3	HEPATITIS B										1												1
070.51	HEPATITIS C	18			1			3	1		3		2		1	1	1		1		1		33
084	MALARIA	2																					2
B95.6	MRSA	61	1		5		3	1	7		2		6	2	3	5	18	98	7			1	220
072.9	MUMPS	1			1																		2
003.0	SALMONELLA	10	1				3		1		3		1						1				20
120	SCHISTOSOMIASIS	1																					1
004	SHIGELLOSIS	2																					2
038.2	STREP.PNEUMOCOCCAL SEPTIC	3	1					1			2					1		1					9
086	TRYPANOSOMIASIS						1																1
013	TUBERCULOSIS - NON-RESP.	2		1														1					4
011	TUBERCULOSIS - RESP.	3																5					8
010	TUBERCULOSIS-PRIM.																	1					1
B96.8	VANCOMYCIN RES. ENTER.	4											1		1								6
047.0	VIRAL MENINGITIS-COXSACK	1																					1
047.1	VIRAL MENINGITIS-ECHO														1								1
047.8	VIRAL MENINGITIS-ENTERO	1																					1
196	WNV Asymptomatic Infectio	1			1		1		1		1		3										8
198	WNV Neurological Syndrome	24	5		2		2		4		6		18		2								63
197	WNV Non-Neurological Synd	82	64		18		24		33		92		126		14								453
066.3	WNV Unclassified	22	4				1		2		8		4										41

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - September 2007

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2006**	**2007**	**2006**	**2007**
All Chlamydia Infections	366	540	3147	3815
All Gonorrhea Infections (including PRNG)	137	158	1224	1093
All Syphilis Infections	5	3	35	34
Gonorrhea & Chlamydia Co-infections	46	69	381	435
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	10	5	62	60

Total Number of STD Cases by Age and Gender - September 2007

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases			1				3		115	33	108	49	44	33	37	24	6	7	5	1	4	1						471
Gonorrhea Only Cases			1				1	1	14	6	14	12	6	8	6	10	3	5		1		1						89
Syphilis Only Cases															1			1		1								3
GC and CT Cases									18	4	19	6	6	5	3	4		4										69
			2				4	1	147	43	141	67	56	46	47	38	9	17	5	3	4	2						632
HIV										1					1	1		1		1								5

Regional STD Distribution - September 2007

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	243	32	3	13		9	11	8		31		9	2	29	17	19	79	34			1	540
All Gonorrhea Infections	76	1	2	2		1	5	2		8		2		5	2	7	39	6				158
All Syphilis Infections	3																					3
GC and CT Infections	22	1		1			3	1		5		1		2		3	25	5				69